**MOBIL OIL CORPORATION MATERIAL SAFETY DATA BULLETIN**

**I. PRODUCT IDENTIFICATION**

**SUPPLIER:**
MOBIL CHEMICAL COMPANY

**CHEMICAL NAMES AND SYNONYMS:**
POLYSTYRENE

**USE OR DESCRIPTION:**
IMPACT GRADE POLYSTYRENE

**HEALTH EMERGENCY TELEPHONE:**
(212) 883-4411

**TRANSPORT EMERGENCY TELEPHONE:**
(800) 424-7300 (CHEMTREC)

**II. TYPICAL CHEMICAL AND PHYSICAL PROPERTIES**

**APPEARANCE:** NATURAL PELLETS
**ODOR:** SLIGHT
**PH:** NA

**VISCOSITY AT 100 F, SUS:** NA
**AT 40 C, CS:** NA

**VISCOSITY AT 210 F, SUS:** NA
**AT 100 C, CS:** NA

**FLASH POINT F(C): >550 (268)**  
(ASTM D-1929)

**MELTING POINT F(C): 210(99)**

**POUR POINT F(C): NA**

**BOILING POINT F(C): NA**

**RELATIVE DENSITY, 15/4 C: 1.04-1.17**

**SOLUBILITY IN WATER:** NEGLIGIBLE

**VAPOR PRESSURE- MM HG 20C:** NA

**NA=NOT APPLICABLE, NE=NOT ESTABLISHED, D=DECOMPOSES**

**FOR FURTHER INFORMATION, CONTACT YOUR LOCAL MARKETING OFFICE.**

**III. INGREDIENTS**

**NOTE:** THESE PELLETS ARE HIGH MOLECULAR WEIGHT POLYMERS NOT EXPECTED TO BE CHEMICALLY ACTIVE UNDER RECOMMENDED CONDITIONS OF USE.

**SOME TRACES OF STYRENE MONOMER AND POSSIBLY TRACES OF ADDITIVES MAY BE VOLATILIZED UNDER NORMAL STORAGE AND PROCESSING CONDITIONS. WITH PROPER VENTILATION THESE PRODUCTS CAN BE PROCESSED WITHOUT EXPOSING EMPLOYEES TO UNACCEPTABLE MONOMER LEVELS. PRODUCT CONTAINS 4-10 PCT. BUTADIENE RUBBER.**

**IV. HEALTH HAZARD DATA**

**THRESHOLD LIMIT VALUE:** 10.00 MG/M3 (SUGGESTED FOR NOISANCE INHIALATION OF FINE DUSTS)

**EFFECTS OF OVEREXPOSURE:** INHALATION OF FINE DUSTS, IF ANY, CAN CAUSE IRRITATION OF NOSE AND THROAT. PELLETS AND FINE DUSTS, IF ANY, MAY CAUSE ABRASIVE INJURY AND IRRITATION TO EYES.

**V. EMERGENCY AND FIRST AID PROCEDURES**

**EYE CONTACT:** FLUSH WITH WATER.

**SKIN CONTACT:** WASH CONTACT AREAS WITH SOAP AND WATER. IF BURNED BY CONTACT WITH HOT MATERIAL, COOL MOLTEN MATERIAL ADHERING TO SKIN AS QUICKLY AS POSSIBLE WITH WATER, AND SEE A PHYSICIAN FOR REMOVAL OF ADHERING MATERIAL AND TREATMENT OF BURN.

**INHALATION:** NOT EXPECTED TO BE A PROBLEM.

**INGESTION:** NOT EXPECTED TO BE A PROBLEM WHEN INGESTED. IF UNCOMFORTABLE SEEK MEDICAL ASSISTANCE.
VI. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (°C): > 350 (388) (ASTM D-1929)
EXPLOSIBLE LIMITS: LEL: NA  UEL: NA
EXTINCTION MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL, AND WATER FOG.
SPECIAL FIRE FIGHTING PROCEDURES: FIREFIGHTERS MUST USE SELF-CONTAINED
BREATHING APPARATUS.
UNUSUAL FIRE AND EXPLOSION HAZARDS: HIGH DUST LEVELS MAY CREATE
POTENTIAL FOR EXPLOSION.

VII. REACTIVITY DATA

STABILITY (THERMAL, LIGHT, ETC.): STABLE
CONDITIONS TO AVOID: STRONG OXIDATION
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS AND AROMATIC
AND CHLORINATED HYDROCARBONS.
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, POSSIBLY HC
FRAGMENTS, MONOMERS.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

VIII. SPILL OR LEAK PROCEDURE

ENVIRONMENTAL IMPACT: REPORT SPILLS AS REQUIRED TO APPROPRIATE
AUTHORITIES. U.S. COAST GUARD REGULATIONS REQUIRE IMMEDIATE
REPORTING OF SPILLS THAT COULD REACH ANY WATERWAY INCLUDING
INTERMITTENT DRY CREEKS. REPORT SPILL TO COAST GUARD TOLL FREE
NUMBER 800-424-8802. FOR FURTHER INFORMATION, THE MOBIL CHEMICAL
SPILL EMERGENCY NUMBER IS (409) 835-1290.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: SHOVEL UP AND DISPOSE AS
NORMAL REFUSE.

WASTE MANAGEMENT: DISPOSE OF WASTE BY SUPERVISED INCINERATION IN
COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS. DISPOSE OF WASTE
AS NORMAL REFUSE.

IX. SPECIAL PROTECTION INFORMATION

EYE PROTECTION: NORMAL INDUSTRIAL EYE PROTECTION PRACTICES SHOULD BE
EMPLOYED.
SKIN PROTECTION: GLOVES AS REQUIRED TO HANDLE HOT MATERIALS.
RESPIRATORY PROTECTION: NO SPECIAL REQUIREMENTS UNDER ORDINARY
CONDITIONS OF USE AND WITH ADEQUATE VENTILATION. APPROVED DUST
RESPIRATORS MUST BE USED FOR DUSTY CONDITIONS.
VENTILATION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE
AND WITH ADEQUATE VENTILATION.

X. SPECIAL PRECAUTIONS

HANDLING: STORE IN A COOL AREA.

XI. TOXICOLOGICAL DATA

---ACUTE---
ORAL TOXICITY (RATS): NONTOXIC (ESTIMATED) ---BASED ON TESTING OF
SIMILAR PRODUCTS AND/OR THE COMPONENTS.
DERMAL TOXICITY (RABBITS): NONTOXIC (ESTIMATED) ---BASED ON TESTING OF
SIMILAR PRODUCTS AND/OR THE COMPONENTS.
INHALATION TOXICITY (RATS): NONTOXIC (ESTIMATED) ---BASED ON TESTING OF
SIMILAR PRODUCTS AND/OR THE COMPONENTS.
EYE IRRITATION (RABBITS): EXPECTED TO BE NON-IRRITATING. ---BASED ON
TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.
SKIN IRRITATION (RABBITS): EXPECTED TO BE NON-IRRITATING. ---BASED ON
TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.
THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE LISTS BELOW:

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS NUMBER</th>
<th>LIST CITATIONS</th>
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<td></td>
<td>*** NO INGREDIENT CITATIONS ***</td>
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--- KEY TO LIST CITATIONS ---

1 = OSHA Z, 2 = ACGIH, 3 = IARC, 4 = NTP, 5 = NCI, 6 = EPA CARC, 7 = NFPA 49, 8 = NFPA 325M, 9 = DOT HM, 10 = CA RTK, 11 = IL RTK, 12 = MA RTK, 13 = MN RTK, 14 = NJ RTK, 15 = MI 293, 16 = FL RTK, 17 = PA RTK.

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND MANNER, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

PREPARED BY: MOBIL OIL CORPORATION
ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPARTMENT, PRINCETON, NJ
FOR FURTHER INFORMATION, CONTACT:
MOBIL OIL CORPORATION, PRODUCT SAFETY AND INFORMATION SYSTEMS
P.O. BOX 1031, PRINCETON, N.J. 08540 (609) 737-3596

FOR MOBIL USE ONLY: MHC: 0* 0* 0* 0* 0* PPEC: NE APPROVE REVISED: 03/28/83